

Serial No. 09/784,801

Attorney Docket No. PF02049NA

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Dorenbosch, Jheroen Pieter

Examiner: Corsaro, Nick

Serial No.: 09/784,801

Art Unit: 2684

Filed: February 15, 2001

Docket No.: PF02049NA

Title: A Communication System That Provides Adjustable Communication Service  
Availability to Subscribers

OFFICIAL

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Motorola, Inc.  
Law Department  
600 North U.S. Highway 45, AN475  
Libertyville, IL 60048

## AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Office Action mailed July 11, 2003, concerning the above-identified application having a shortened statutory period for response which expired October 11, 2003. The period for response is hereby extended to November 11, 2003, by the accompanying one-month Petition for Extension of Time, and this communication is timely filed within this extended period for response.

Please amend the above application as follows:

**MOTOROLA**  
**FAX TRANSMITTAL SHEET****RECEIVED**  
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NOV 12 2003

**OFFICIAL**Motorola, Inc.  
Intellectual Property Section  
Law Department  
600 North U.S. Highway 45  
Libertyville, IL 60048Telephone: (847) 523-2322  
Facsimile: (847) 523-2350**12** Number of Pages (including this page)

Date: November 11, 2003  
To: Examiner Nick Corsaro  
Location: United States Patent and Trademark Office, Group 2684  
Fax No.: (703) 872-9314  
From: Hisashi D. Watanabe Registration No. 37,465  
Subject: Serial No. 09/784,801 Docket No. PF02049NA

**NOTICE:** This facsimile transmission may contain information that is confidential, privileged, or exempt from disclosure under applicable law. It is intended only for the person to whom it is addressed. Unauthorized use, disclosure, copying or distribution may expose you to legal liability. If you have received this transmission in error, please immediately notify us by telephone (collect) to arrange for return of the documents received and any copies made. Thank you.

**MESSAGE:**



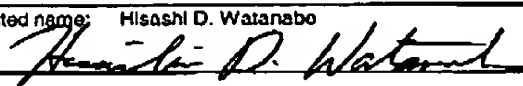
Enclosed herewith, please find:

- ☒ Amendment
- ☒ Amendment Transmittal Form
- ☒ Fee Transmittal Form
- ☒ Petition for Extension of Time


**PLEASE GIVE THESE PAPERS TO:**

|                 |                        |
|-----------------|------------------------|
| EXAMINER:       | Corsaro, Nick          |
| GROUP ART UNIT: | 2684                   |
| SERIAL NO.:     | 09/784,801             |
| FILED:          | February 15, 2001      |
| INVENTOR:       | Dorenbosch, Jheroen P. |

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| ADMENDMENT<br>TRANSMITTAL<br>FORM   |  | Application Number   |  | 09/784,801  |              |
|---|--|--|--|---|--------------|
| (to be used for all correspondence after initial filing)  |  | Filing Date  |  | February 15, 2001   |              |
|   |  | First Named Inventor   |  | Dorenbosch, Jheroen P.  |              |
|   |  | Group Art Unit   |  | 2684  |              |
|   |  | Examiner Name  |  | Corsaro, Nick   |              |
|   |  | Attorney Docket Number   |  | PF02049NA   |              |
| ENCLOSURES (Check all that apply)   |  |  |  |   |              |
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached   |  | <input type="checkbox"/> Assignment Papers<br>(for an Application)                         |  | <input type="checkbox"/> After Allowance Communication to Group                               |              |
| <input checked="" type="checkbox"/> Amendment/Response<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)  |  | <input type="checkbox"/> Drawing(s)  |  | <input type="checkbox"/> Appeal Communication to Board of Appeals<br>and Interferences        |              |
| <input checked="" type="checkbox"/> Extension of Time Request   |  | <input type="checkbox"/> Licensing-related Papers  |  | <input type="checkbox"/> Appeal Communication to Group<br>(Appeal Notice, Brief, Reply Brief) |              |
| <input type="checkbox"/> Express Abandonment Request  |  | <input type="checkbox"/> Petition Routing Slip<br>(PTO/SB/69) and<br>Accompanying Petition |  | <input type="checkbox"/> Proprietary Information  |              |
| <input type="checkbox"/> Information Disclosure<br>Statement  |  | <input type="checkbox"/> Change of Correspondence<br>Address                               |  | <input type="checkbox"/> Status Letter  |              |
| <input type="checkbox"/> Certified Copy of Priority<br>Document(s)  |  | <input type="checkbox"/> Fee Address Indication Form                                       |  | <input type="checkbox"/> Additional Enclosure(s)<br>(please identify below)                   |              |
| <input type="checkbox"/> Response to Missing Parts<br>Incomplete Application  |  | <input type="checkbox"/> Terminal Disclaimer   |  |   |              |
| <input type="checkbox"/> Response to Missing<br>Parts under 37 CFR<br>1.52 or 1.53  |  | <input type="checkbox"/> Small Entity Statement  |  |   |              |
|   |  | <input type="checkbox"/> Request for Refund  |  |   |              |
| Remarks:  |  |  |  |   |              |
| CORRESPONDENCE ADDRESS  |  |  |  |   |              |
| <input type="checkbox"/> Customer Number or Bar Code Label  20280 or <input type="checkbox"/> Correspondence address below<br>(Insert Customer No. or Attach bar code label here) |  |  |  |   |              |
| Name:   |  | Motorola, Inc.   |  |   |              |
| Address:  |  | Intellectual Property Department   |  |   |              |
|   |  | 600 North U.S. Highway 45, AN475   |  |   |              |
| City: Libertyville  |  | State: Illinois  |  | Zip Code:   | 60048        |
| Country: USA  |  | Telephone: 847-523-2322  |  | Fax:  | 847-523-2350 |
| Name (Print/Type) Hisashi D. Watanabe   |  | Registration No. 37,465  |  |   |              |
| Signature    |  | Date November 11, 2003   |  |   |              |
| CERTIFICATE OF TRANSMISSION   |  |  |  |   |              |
| I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office Fax No. (703) 872-9314 on this date: November 11, 2003.   |  |  |  |   |              |
| Typed or printed name: Hisashi D. Watanabe  |  | Date November 11, 2003   |  |   |              |
| Signature    |  |  |  |   |              |

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| <b>FEE TRANSMITTAL</b><br><b>For FY 2003</b><br><i>Patent fees are subject to annual revision.</i>   |  | Application Number    09/784,801  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
|--|--|---|-----------------|-----------------|-----------------|--------------------|----------|--------------------|------------------|-------------------------------------|--------------------|-------------------|----|--|--|------------------|-----|---------------------------|------------------------|--------------------|-------|---|-----|------------------------|---------------------------------------|--|----|--|------------|---|--|--------------|-----|--|------------|-----|-----|---|--|-----|-----|--|--|-----|-------|---|--|-----|-------|--|--|-----|-----|------------------|--|-----|-----|--|--|-----|-----|--------------------------|--|-----|-------|---|--|-----|-----|----------------------------------|--|-----|-------|------------------------------------|--|-----|-------|--------------------------------|--|-----|-----|------------------|--|-----|-----|-----------------|--|-----|-----|-------------------------------|--|-----|----|---|--|-----|-----|---|--|-----|----|--|--|-----|-----|---|--|-----|-----|--|--|-----|-----|---|--|-----|-----|---|--|
|  |  | Filing Date    February 15, 2001  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
|  |  | First Named Inventor    Dorenbosch, Jheroen P.  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
|  |  | Group Art Unit    2684  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
|  |  | Examiner Name    Corsaro, Nick  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| TOTAL AMOUNT OF PAYMENT    (\$ ) 110.00  |  | Attorney Docket Number    PF02049NA   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| METHOD OF PAYMENT  |  | FEE CALCULATION (continued)   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:<br>Deposit Account    50-2117<br>Deposit Account Name    Motorola, Inc.<br><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17<br><input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27  |  | 3. ADDITIONAL FEES<br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>Surcharge - late filing fee or each</td><td></td></tr> <tr><td>127</td><td>50</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>138</td><td>150</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>112</td><td>820*</td><td>Requesting publication of SR prior to Examination action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>Requesting publication of SR after Examination action</td><td></td></tr> <tr><td>115</td><td>110</td><td>Extension for reply within first month</td><td>110.00</td></tr> <tr><td>116</td><td>410</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>930</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,450</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,970</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>Petition to Institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,300</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,300</td><td>Utility issue fee (or release)</td><td></td></tr> <tr><td>143</td><td>470</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>630</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>750</td><td>Filing a submission after final rejection (27 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>750</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>750</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>188</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> |                 | Large Fee Code  | Entity Fee (\$) | Fee Description    | Fee Paid | 105                | 130              | Surcharge - late filing fee or each |                    | 127               | 50 | Surcharge - late provisional filing fee or cover sheet |  | 138              | 150 | Non-English specification |                        | 147                | 2,520 | For filing a request for ex parte reexamination |     | 112                    | 820*                                  | Requesting publication of SR prior to Examination action |    | 113  | 1,840*     | Requesting publication of SR after Examination action |  | 115          | 110 | Extension for reply within first month | 110.00     | 116 | 410 | Extension for reply within second month |  | 117 | 930 | Extension for reply within third month |  | 118 | 1,450 | Extension for reply within fourth month |  | 128 | 1,970 | Extension for reply within fifth month |  | 119 | 320 | Notice of Appeal |  | 120 | 320 | Filing a brief in support of an appeal |  | 121 | 280 | Request for oral hearing |  | 138 | 1,510 | Petition to Institute a public use proceeding |  | 140 | 110 | Petition to revive - unavoidable |  | 141 | 1,300 | Petition to revive - unintentional |  | 142 | 1,300 | Utility issue fee (or release) |  | 143 | 470 | Design issue fee |  | 144 | 630 | Plant issue fee |  | 122 | 130 | Petitions to the Commissioner |  | 123 | 50 | Petitions related to provisional applications |  | 126 | 180 | Submission of Information Disclosure Stmt |  | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 750 | Filing a submission after final rejection (27 CFR § 1.129(a)) |  | 149 | 750 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 | 750 | Request for Continued Examination (RCE) |  | 188 | 900 | Request for expedited examination of a design application |  |
| Large Fee Code   | Entity Fee (\$)                          | Fee Description   | Fee Paid        |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 105  | 130                                      | Surcharge - late filing fee or each   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 127  | 50                                       | Surcharge - late provisional filing fee or cover sheet  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 138  | 150                                      | Non-English specification   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 147  | 2,520                                    | For filing a request for ex parte reexamination   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 112  | 820*                                     | Requesting publication of SR prior to Examination action  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 113  | 1,840*                                   | Requesting publication of SR after Examination action   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 115  | 110                                      | Extension for reply within first month  | 110.00          |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 116  | 410                                      | Extension for reply within second month   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 117  | 930                                      | Extension for reply within third month  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 118  | 1,450                                    | Extension for reply within fourth month   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 128  | 1,970                                    | Extension for reply within fifth month  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 119  | 320                                      | Notice of Appeal  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 120  | 320                                      | Filing a brief in support of an appeal  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 121  | 280                                      | Request for oral hearing  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 138  | 1,510                                    | Petition to Institute a public use proceeding   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 140  | 110                                      | Petition to revive - unavoidable  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 141  | 1,300                                    | Petition to revive - unintentional  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 142  | 1,300                                    | Utility issue fee (or release)  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 143  | 470                                      | Design issue fee  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 144  | 630                                      | Plant issue fee   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 122  | 130                                      | Petitions to the Commissioner   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 123  | 50                                       | Petitions related to provisional applications   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 126  | 180                                      | Submission of Information Disclosure Stmt   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 581  | 40                                       | Recording each patent assignment per property (times number of properties)  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 146  | 750                                      | Filing a submission after final rejection (27 CFR § 1.129(a))   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 149  | 750                                      | For each additional invention to be examined (37 CFR § 1.129(b))  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 179  | 750                                      | Request for Continued Examination (RCE)   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 188  | 900                                      | Request for expedited examination of a design application   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| FEE CALCULATION  |  |   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 1. BASIC FILING FEE<br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>750</td><td>Utility filing fee</td><td></td></tr> <tr><td>106</td><td>330</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>520</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>750</td><td>Release filing fee</td><td></td></tr> <tr><td>114</td><td>180</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="3" style="text-align: right;">SUBTOTAL (1)</td><td>(\$ ) 0.00</td></tr> </tbody> </table>  |  | Large Fee Code  | Entity Fee (\$) | Fee Description | Fee Paid        | 101                | 750      | Utility filing fee |                  | 106                                 | 330                | Design filing fee |    | 107  | 520                                      | Plant filing fee |     | 108                       | 750                    | Release filing fee |       | 114   | 180 | Provisional filing fee |                                       | SUBTOTAL (1)   |    |  | (\$ ) 0.00 |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Large Fee Code   | Entity Fee (\$)                          | Fee Description   | Fee Paid        |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 101  | 750                                      | Utility filing fee  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 106  | 330                                      | Design filing fee   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 107  | 520                                      | Plant filing fee  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 108  | 750                                      | Release filing fee  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 114  | 180                                      | Provisional filing fee  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| SUBTOTAL (1)   |  |   | (\$ ) 0.00      |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 2. EXTRA CLAIM FEES<br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Extra Claims</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>14 - 20 = 0 X 16 =</td> <td>0</td> </tr> <tr> <td>Independent Claims</td> <td>2 - 3 = 0 X 84 =</td> <td>0</td> </tr> <tr> <td colspan="3">Multiple Dependent</td> </tr> <tr> <td>Large Fee Code</td> <td>Entity Fee (\$) <td>Fee Description</td> </td></tr> <tr><td>103</td><td>18</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>84</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>280</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>109</td><td>84</td><td>** Release independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>** Release claims in excess of 20 and over original patent</td></tr> <tr><td colspan="3" style="text-align: right;">SUBTOTAL (2)</td></tr> </tbody> </table> |  | Extra Claims  |                 | Fee Paid        | Total Claims    | 14 - 20 = 0 X 16 = | 0        | Independent Claims | 2 - 3 = 0 X 84 = | 0                                   | Multiple Dependent |                   |    | Large Fee Code   | Entity Fee (\$) <td>Fee Description</td> | Fee Description  | 103 | 18                        | Claims in excess of 20 | 102                | 84    | Independent claims in excess of 3               | 104 | 280                    | Multiple dependent claim, if not paid | 109  | 84 | ** Release independent claims over original patent | 110        | 18  | ** Release claims in excess of 20 and over original patent | SUBTOTAL (2) |     |  | (\$ ) 0.00 |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Extra Claims   |  | Fee Paid  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Total Claims   | 14 - 20 = 0 X 16 =                       | 0   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Independent Claims   | 2 - 3 = 0 X 84 =                         | 0   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Multiple Dependent   |  |   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Large Fee Code   | Entity Fee (\$) <td>Fee Description</td> | Fee Description   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 103  | 18                                       | Claims in excess of 20  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 102  | 84                                       | Independent claims in excess of 3   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 104  | 280                                      | Multiple dependent claim, if not paid   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 109  | 84                                       | ** Release independent claims over original patent  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| 110  | 18                                       | ** Release claims in excess of 20 and over original patent  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| SUBTOTAL (2)   |  |   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
|  |  | *Reduced by Basic Filing Fee Paid    SUBTOTAL (3)    (\$ ) 110.00   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| SUBMITTED BY   |  |   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Name (Print/Type)  |  | Hisashi D. Watanabe   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Signature  |  |    |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Reg. No. (Atty/Agent)  |  | 37,465  |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |
| Date   |  | Nov. 11, 2003   |                 |                 |                 |                    |          |                    |                  |                                     |                    |                   |    |  |  |                  |     |                           |                        |                    |       |   |     |                        |                                       |  |    |  |            |   |  |              |     |  |            |     |     |   |  |     |     |  |  |     |       |   |  |     |       |  |  |     |     |                  |  |     |     |  |  |     |     |                          |  |     |       |   |  |     |     |                                  |  |     |       |                                    |  |     |       |                                |  |     |     |                  |  |     |     |                 |  |     |     |                               |  |     |    |   |  |     |     |   |  |     |    |  |  |     |     |   |  |     |     |  |  |     |     |   |  |     |     |   |  |